

## MATERIAL SPECIFICATION

VOCAB NUMBER	ITEM DESCRIPTION
111118	CABLE, SINGLE CORE & SHEATHED, BLACK, 1121/0.20, 35 MM <sup>2</sup> PVC INSULATED,(ABC HANDLE EARTG BOND) 0.6/1 KV GRADE.

### SPECIFICATION DETAILS

**1. GENERAL REQUIREMENT:**

All Cables supplied under this specification shall comply with AS 3147- 1992, AS 3158 – 2004 or latest equivalent standard. It shall have minimum insulation temperature rating of 75 °C or class as V75.

**1.1** All cables shall have the correct characteristics for insulation under AS 3000 – Wiring rules AS3008 part 1 and 2.

**2. CONDUCTOR:** Single Core – 35mm<sup>2</sup>,1121/0.20 copper stranded.

**3. INSULATION:** PVC insulated 0.6/1 kV Grade, V75.

**4. TESTS:** PNG Power will require the provision of test certificates giving results on tests made on the cables in accordance with the AS 1660 – 1998 or latest equivalent standard.

**5. SAMPLE:** PNG Power Limited may require the submission of samples for approval prior to bulk production

**6. PACKING & MARKING:**

The cables shall be suitably packed in wooden drums having softwood sides and battens. The total weight shall not exceed 900kg. Drums to be AS/NZ 2857 – 1996. Timber drum or AS3983 – 1991. Wooden drums capable of storage life of 4 years under tropical conditions. Each drum shall be clearly marked with the information specified in AS/NZS 2857 or AS 3983.

**7. PACKING LENGTH:** 1000 metres

**8. CORE COLOURS:** BLACK – As per rule 3.2 of AS 3000 – 1991, SAA Wiring Rules (PNGS 1022)

• **Unit of Measure:** Metre

• **Rejection:** PNG Power Ltd reserves all rights to reject whole or part of the order not complying with this specification and is not liable for any cost or loss with the return of rejects to the Supplier. Facilitation of Invoice Credit must commence between the supplier and PNG Power Ltd through the process of PNG Power Ltd Discrepancy Report provisions.

**Drawing References:** N/A

**Manufacturer's Product Code:**


### ENGINEERING STANDARDS APPROVAL

Approval by: Grevasius Peni  
Chairman

Signature: 

Date: 24, 4, 19

### DATA REVIEW ENDORSEMENT

NAME	TITLE	SIGNATURE	DATE
Rawali Rawali	Engineer - Standards and Materials		9/4/19